

Carrier Corporation, BIS Indianapolis December 3, 2014

Greenhouse Gas Projects





Definition

Greenhouse Gas - any of various gaseous compounds (such as carbon dioxide) that absorb infrared radiation, trap heat in the atmosphere, and contribute to the greenhouse effect

<u>CO2</u>

- Electricity
- Natural Gas



Audits

<u>Conducted an Energy Assessment</u> – find opportunities to save energy

<u>Developed the Greenhouse Gas (GHG) Team</u> – to implement energy saving projects

Projects

2014 Projects (annualized)

- Operating pressure 12 MT CO2
- Compressor Leaks 728 MT CO2
- Compressor replacement 350 MT CO2
- No heat washers (aluminum) 2803 MT CO2
- Misc. lighting replacements 496 MT CO2
- Office HVAC (new office areas) 350 MT CO2
- Shut It Off program 479 MT CO2 (requires no capital investment)
- Decommissioning of 7163 manufacturing line 2168 MT CO2
- Decommissioning of 7164 manufacturing line 2168 MT CO2

Projects

2015 Projects (annualized)

- Building 8 (manufacturing) lighting replacement 1,100 MT CO2
- WHSE lighting replacement 800 MT CO2
- Compressor replacement 350 MT CO2
- Replacement of cooling tower VFD 26 MT CO2
- Replacement of dock doors/steel bay 350 MT CO2
- Shut It Off Phase II 500 MT CO2
- 1. Determine impact of 7125 startup.
- 2. Monitor the electrical substations to determine specific usage of electricity(each substation is associated with specific equipment for electrical use).
- 3. Monitor individual building for natural gas use (bldg. 8, 9 and WHSE)